REPORT DOCUMENTATION PAGE

Form Approved OMB No. 0704-01-0188

The public reporting burden for this collection of information is estimated to average 1 hour per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to Department of Defense, Washington Headquarters Services Directorate for Information Operations and Reports (0704-0188), 1215 Jefferson Davis Highway, Suite 1204, Arlington VA 22202-4302. Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number.

PLEASE DO NOT RETURN YOUR FORM TO THE ABOVE ADDRESS.

1. REPORT DAT			RT TYPE			3. DATES COVERED (From - To)	
	•	1			3. DAIES COVERED (FIUIT - 10)		
09-1998 Flyer 4. TITLE AND SUBTITLE					5a. CONTRACT NUMBER		
		antion I abornt	on (SIGNoI)		Sa. CON	RACI NUMBER	
Simulated Inertial GPS Navigation Laboratory (SIGNaL)							
					5b. GRANT NUMBER		
					5c. PROGRAM ELEMENT NUMBER		
					OC. PROGRAM ELEMENT NOMBER		
6. AUTHORS					5d. PROJECT NUMBER		
B. Olds							
					5e. TASK NUMBER		
					5f. WORK UNIT NUMBER		
					51. WORK UNIT NUMBER		
7. PERFORMING	ORGANIZATIO	N NAME(S) AN	DADDRESS(ES)			8. PERFORMING ORGANIZATION	
SSC San Diego						REPORT NUMBER	
53560 Hull Street						SD 055 Rev 2	
San Diego, CA 92152-5001							
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)						10. SPONSOR/MONITOR'S ACRONYM(S)	
						11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
						NOWIDER(3)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution is unlimited.							
Approved for	public release;	distribution is	unlimited.				
12 CUIDDI EMEN	NTARY NOTES						
13. SUPPLEMENTARY NOTES							
14. ABSTRACT							
This flyer describes the Simulated Inertial GPS Navigation Laboratory (SIGNaL) at SSC San Diego.							
55545B45							
20010312 023							
- LUUIUJIK UZD							
1				1.3			
15. SUBJECT TI	ERMS						
GPS							
Simulated Inc	ertial GPS Navi	igation Laborat	tory (SIGNaL)				
			48 1 11 11 17 17 10 11 05	ko Musee	140	III of Deapolyalpi E E	
ADSTRACT OF				18. NUMBER OF		ME OF RESPONSIBLE PERSON	
a. REPORT	D. ABSTRACT	C. IMIS PAGE	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	PAGES		lds, D30 LEPHONE NUMBER (Include area code)	
J ,,	υ	υ	υυ	1 1		553-6313	
U	ı	U	1 00	1 1	1 (012) -)JJ-0J IJ	



१८५५कमा कामकप्रकी होने । तहरू वर्गात्रे आहुर्गक विषय हो। विषय वर्गाय करते हैं कि उन्हार विषय वर्गाय है। इस इंग

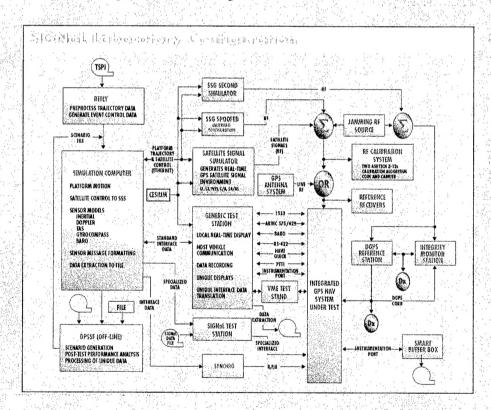
SIGNaL enables dynamic, consistent laboratory testing of an entire configuration and all aspects of Embedded GPS Systems (EGI, GINA, Embedded Doppler, and Receiver Cards).

SSC San Diego SIGNaL Central Engineering Activity Capabilities

- Dynamic laboratory testing
- **Dual simultaneous EGI testing**
- Validation and utilization for both Honeywell and Litton EGIs
- Extensive software menuization, error generation, and analysis
- Proposed standard SIGNaL interface
- Better alternative to static laboratory or non-repeatable dynamic field testing

Particularly Useful for Laboratory

- Re-Fly Testing and Troubleshooting
- Integrity Testing
- **Vulnerability Testing**
- Navigation Performance and Kalman Filter Analysis
- Dynamic Edge of Envelope Testing
- Special Integration Issue Analysis



For additional information, contact:

Sudipta Mohanty email: smohanty@spawar.navy.mil
phone: 619•553•1391